2012 Structure Summary Report

Overall Unit and Item Ratings

City of Sacramento

El Camino Avenue Bridge

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α

Magpie Creek Pumping Plant

Overall Unit Rating	Rated Item	Item Rating
Α	Operating Log	Α
	Operation & Maintenance Manual	Α
	Plant Building	Α
	Communications	Α
	Safety	Α
	Cranes	Α
	Pumps	Α
	Power	Α
	Motors, Engines, Fans & Gear Reducers	Α
	Pump Control Systems	Α
	Sumps/Wet Well	Α
	Trash Racks	Α
	Trash Rakes	N
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Other Metallic Items	Α
	Flap Gates	Α
	Closure Structures	Α
	Security Fencing	Α
	Intake and Discharge Pipes	Α

Flood Control Project Maintenance

Unit Cover Sheet 2012 Structure Inspection Results

City of Sacramento

Structure	
El Camino Avenue Bridge	

Structure Rating	A
Date of Inspection	8/28/2012
DWR Inspector	Pavel Kazi
Accompanied By	

Levee Inspection Report By Mile - Structure 2012

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
El Camino Avenue Bridge		08/28/2012 08/28/2012	Pavel Kazi

LMR	Levee	Mile	Catagony	Itom	Rating ** Location	Action/Comment	GPS Latitud	le/Longitude	Issue No.
No.	Start	End	Category	Item	tion	Action/Comment	Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation	N	Inspector Comments: West El Camino bridge is inspected as a stucture because the bridge deck is below the design water surface elevation causing the wingwalls and guard railing to act as flood walls during high water events.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	
2	0.00	0.00	Structures	Vegetation & Obstructions	А	Inspector Comments: The channel appeared to be free of any vegetation growth.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	
3	0.00	0.00	Structures	Shoaling / Sedimentation	Α	Inspector Comments: The channel didn't have any shoaling or sedimentation which would impede the flow.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	
4	0.00	0.00	Structures	Erosion / Bank Caving	А	Inspector Comments: No erosion or bank caving was found on the side of the channel.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	
5	0.00	0.00	Structures	Revetments	Α	Inspector Comments: Existing riprap was properly maintained.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	
6	0.00	0.00	Structures	Encroachments	А	Inspector Comments: No trash or debris were present around the structure.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	
7	0.00	0.00	Structures	Culverts: Inlets / Outlets	N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks	N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	
9	0.00	0.00	Structures	Metal Pipes	N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	
10	0.00	0.00	Structures	Trash Racks	N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	
11	0.00	0.00	Structures	Flap Gates	N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	
12	0.00	0.00	Structures	Sluice/Slide Gates	N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °		
13	0.00	0.00	Structures	Electric Gate Operators	N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	

* Location	
LS : Land Side	
WS : Water Side	

Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

Levee Inspection Report By Mile - Structure 2012

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
El Camino Avenue Bridge		08/28/2012 08/28/2012	Pavel Kazi

LMR	Levee	Mile	0-1	14	Rating ** Locatio	A stitute (O construct)	GPS Latitud	de/Longitude	Issue No.
No.	Start	End	Category	Item	Rating ** Location	Action/Comment	Start	End	Photo
14	0.00	0.00	Structures	Manual Gate Operators	N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	14
15	0.00	0.00	Structures	Concrete Surfaces	Α	Inspector Comments: The concrete surface didn't have any spalling or cracking which would threaten the integrity of the bridge.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	
16	0.00	0.00	Structures	Concrete Tilting / Settlement	Α	Inspector Comments: There were no signs of any settlement.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	16
17	0.00	0.00	Structures	Concrete Foundations	Α	Inspector Comments: No sign of scouring or erosion was visibile at the footings of the structure.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	
18	0.00	0.00	Structures	Security Fencing	N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	18
19	0.00	0.00	Structures	Closure Structures	N		38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	19
20	0.00	0.00	Structures	Trash Rakes	N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	20
21	0.00	0.00	Structures	Other Metallic Items	N	Inspector Comments: This item does not apply to this inspection.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	21
22	0.00	0.00	Structures	Monolith Joints	А	Inspector Comments: The monolithic joint material was in good condition on the flood walls.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	
23	0.00	0.00	Structures	Safety	А	Inspector Comments: The walls around the structure provide adequeate protection against fall hazards.	38.611365 ° -121.466557 °	38.611365 ° -121.466557 °	23

* Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

Levee Inspection Report By Mile - Structure 2012

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
El Camino Avenue Bridge		08/28/2012 08/28/2012	Pavel Kazi

Levee Mile Report Line	1				
Start Levee Mile	0.00				
End Levee Mile	0.00				
Location					
Category	Structures				
Item	Photo Documentation				
View of the flood wall.					
pkazi_t_20120828_228.JPG					

Levee Mile Report Line	1				
Start Levee Mile	0.00				
End Levee Mile	0.00				
Location					
Category	Structures				
Item	Photo Documentation				
View of the flood wall					

pkazi_t_20120828_229.JPG

Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Vegetation & Obstructions
View of the channel under	er the bridge.

pkazi_t_20120828_230.JPG







Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

Levee Inspection Report By Mile - Structure 2012

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
El Camino Avenue Bridge		08/28/2012 08/28/2012	Pavel Kazi

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Erosion / Bank Caving
No erosion was found on the bridge.	the channel bank below
pkazi_t_20120828_231.JPG	

Levee Mile Report Line	15				
Start Levee Mile	0.00				
End Levee Mile	0.00				
Location					
Category	Structures				
Item	Concrete Surfaces				
View of the flood wall.					

pkazi_t_20120828_232.JPG

Levee Mile Report Line	17			
Start Levee Mile	0.00			
End Levee Mile	0.00			
Location				
Category	Structures			
Item	Concrete Foundations			
View below of the bridge.				

pkazi_t_20120828_233.JPG







PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

Levee Inspection Report By Mile - Structure 2012

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
El Camino Avenue Bridge		08/28/2012 08/28/2012	Pavel Kazi

Levee Mile Report Line	22			
Start Levee Mile	0.00			
End Levee Mile	0.00			
Location				
Category	Structures			
Item	Monolith Joints			
View of the flood walls with monolith joints.				
pkazi_t_20120828_234.JPG				
La candita Daniel Can	00			

pkazi_t_20120828_234.JPG					
Levee Mile Report Line	22				
Start Levee Mile	0.00				
End Levee Mile	0.00				
Location					
Category	Structures				
Item	Monolith Joints				
View of the flood walls with monolith joints.					
pkazi_t_20120828_235.JPG					





Flood Control Project Maintenance

Unit Cover Sheet 2012 Pumping Plant Inspection Results

City of Sacramento

Pumping Plant	
Magpie Creek Pumping Plant	

Pumping Plant Rating	Α
Date of Inspection	8/28/2012
DWR Inspector	Pavel Kazi
Accompanied By	Greg Moore City of Sacramento

Levee Inspection Report By Mile - Structure 2012

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant		08/28/2012 08/28/2012	Pavel Kazi

LMR No.	Levee	Mile End	Category	Item	Rating ** Location	Action/Comment	GPS Latitud	de/Longitude End	Issue No. Photo
1	0.00	0.00	Pump Stations	Operating Log	Α	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The operation log was maintained up to date and it was present at the pump station.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	
2	0.00	0.00	Pump Stations	Operation & Maintenance Manual	Α	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: O&M Manual was present at the plant.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	
3	0.00	0.00	Pump Stations	Plant Building	Α	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The plant building was in good condition without any visibile cracks or structural damage.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	
4	0.00	0.00	Pump Stations	Communications	Α	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The phone line was in working condition.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	
5	0.00	0.00	Pump Stations	Safety	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The building didn't had visible safety issues. Fire extinguishers were present inside the building along with material for oil spills.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	
6	0.00	0.00	Pump Stations	Cranes	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The crane appeared to be in good working condition inside the pumping plant.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	
7	0.00	0.00	Pump Stations	Pumps	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The pumps didn't show any signs of corrosion and all the pumps appeared to be properly maintained and periodically tested.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	
8	0.00	0.00	Pump Stations	Power	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The power sources appeared to be safe and reliable and some pumps are able to operate using propane as a fuel source.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	
9	0.00	0.00	Pump Stations	Motors, Engines, Fans & Gear Reducers	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: All the items appeared to be operational, and properly maintained.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	
10	0.00	0.00	Pump Stations	Pump Control Systems	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: All the pump control systems appeared to be in a good condition.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	

* Location	
LS : Land Side	
WS : Water Side	

Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

Levee Inspection Report By Mile - Structure 2012

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant		08/28/2012 08/28/2012	Pavel Kazi

I I	Levee	Mile	Category	Item	Rating ** Location	Action/Comment	GPS Latitud	de/Longitude	Issue No.
No.	Start	End	Calegory	item	ng	Action/Comment	Start	End	Photo
11	0.00	0.00	Pump Stations	Sumps/Wet Well	Α	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The wet well was clear of any debris or obstructions which could hinder the pumps during operation.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	
12	0.00	0.00	Pump Stations	Trash Racks	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Trash rack appeared to be clean and out of any debris.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	
13	0.00	0.00	Pump Stations	Trash Rakes	N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Trash rakes were not present at this plant.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	14
14	0.00	0.00	Pump Stations	Electric Gate Operators	N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: This facility didn't have electric gates.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	
15	0.00	0.00	Pump Stations	Manual Gate Operators	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The slide gate appeared to be in good working condition.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	
16	0.00	0.00	Pump Stations	Other Metallic Items	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The metalic parts appeared to be well maintained.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	
17	0.00	0.00	Pump Stations	Flap Gates	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The flap gates appeared to be in good condition and free of any obstructions.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	
18	0.00	0.00	Pump Stations	Closure Structures	Α	Item inspected visually only. Item was not operated during the inspection.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	
19	0.00	0.00	Pump Stations	Security Fencing	А	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The security fencing around the structures appeared to be in good condition and should provide protection against unauthorized access.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	
20	0.00	0.00	Pump Stations	Intake and Discharge Pipes	Α	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The intake pipes appeared to be in good condition.	38.640967 ° -121.471106 °	38.640967 ° -121.471106 °	

* Location	
LS : Land Side	
WS : Water Side	

Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

Levee Inspection Report By Mile - Structure 2012

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant		08/28/2012 08/28/2012	Pavel Kazi

Levee Mile Report Line	1	
Start Levee Mile	0.00	
End Levee Mile	0.00	
Location		
Category	Pump Stations	
Item	Operating Log	
View of the maintenance log inside the pumping plant.		

pkazi_t_20120828_210.JPG

Levee Mile Report Line	2		
Start Levee Mile	0.00		
End Levee Mile	0.00		
Location			
Category	Pump Stations		
Item	Operation & Maintenance Manual		
View of the ORM manual in the numning plant			

View of the O&M manual in the pumping plant.

pkazi_t_20120828_211.JPG

Levee Mile Report Line	3	
Start Levee Mile	0.00	
End Levee Mile	0.00	
Location		
Category	Pump Stations	
Item	Plant Building	
View of the pumping plant and the control room.		







Location LS: Land Side WS : Water Side CR : Crown

pkazi_t_20120828_212.JPG

Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment

Levee Inspection Report By Mile - Structure 2012

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant		08/28/2012 08/28/2012	Pavel Kazi

Levee Mile Report Line	4	
Start Levee Mile	0.00	
End Levee Mile	0.00	
Location		
Category	Pump Stations	
Item	Communications	
View of the phone inside the pumping plant.		

pkazi_t_20120828_227.JPG

5
0.00
0.00
Pump Stations
Safety

Safety material for oil spills was present inside the pumping plant.

pkazi_t_20120828_213.JPG

Levee Mile Report Line	5		
Start Levee Mile	0.00		
End Levee Mile	0.00		
Location			
Category	Pump Stations		
Item	Safety		
View of the fire extinguebor incide the numping			

View of the fire extingusher inside the pumping plant.

pkazi_t_20120828_214.JPG







A : Acceptable
M : Minimally Acceptable
U : Unacceptable WS : Water Side CR : Crown Thursday, September 06, 2012 13:59

C : Corrected

Levee Inspection Report By Mile - Structure 2012

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant		08/28/2012 08/28/2012	Pavel Kazi

Levee Mile Report Line	6	
Start Levee Mile	0.00	
End Levee Mile	0.00	
Location		
Category	Pump Stations	
Item	Cranes	
View of the crane inside the pumping plant.		

pkazi_t_20120828_215.JPG

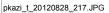
7
0.00
0.00
Pump Stations
Pumps

View of one of the propane powered pumps inside the plant.

pkazi_t_20120828_216.JPG

Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps

View of one of the electric pumps inside the plant.









* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment

C : Corrected

Thursday, September 06, 2012 13:59

Levee Inspection Report By Mile - Structure 2012

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant		08/28/2012 08/28/2012	Pavel Kazi

Levee Mile Report Line	7	
<u> </u>		
Start Levee Mile	0.00	
End Levee Mile	0.00	
Elia Levee iville	0.00	
Location		
Location		
Category	Pump Stations	
0 ,	'	
lka-sa-	D	
Item	Pumps	
View of the pumps outside of the pumping plant.		
view of the pumps outside of the pumping plant.		

pkazi_t_20120828_218.JPG

Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems

View of the pump control systems.

pkazi_t_20120828_219.JPG

Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems

View of the pump control systems inside the control building.

pkazi_t_20120828_220.JPG







* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Thursday, September 06, 2012 13:59

FINAL DATA

Levee Inspection Report By Mile - Structure 2012

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant		08/28/2012 08/28/2012	Pavel Kazi

Levee Mile Report Line	11	
Start Levee Mile	0.00	
End Levee Mile	0.00	
Location		
Category	Pump Stations	
Item	Sumps/Wet Well	
View of the wet well below the pumping plant.		
pkazi_t_20120828_221.JPG		

Levee Mile Report Line	12	
Start Levee Mile	0.00	
End Levee Mile	0.00	
Location		
Category	Pump Stations	
Item	Trash Racks	
View of the trash rack.		

pkazi t	20120828	222.JPG

Levee Mile Report Line	15
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators
View of the slide gate operators	

pkazi_t_20120828_223.JPG







* Location	
LS : Land Side	
WS : Water Side	
CR : Crown	

A : Acceptable
M : Minimally Acceptable
U : Unacceptable PO: Partially Obstructing
CO: Completely Obstructing
N: Not Inspected, see Inspector Comment C : Corrected

Levee Inspection Report By Mile - Structure 2012

City of Sacramento

Structure	Structure Length	Inspection Start/End	Inspector
Magpie Creek Pumping Plant		08/28/2012 08/28/2012	Pavel Kazi

Levee Mile Report Line	17	
Start Levee Mile	0.00	
End Levee Mile	0.00	
Location		
Category	Pump Stations	
Item	Flap Gates	
View of the flap gates.		
pkazi_t_20120828_224.JPG		

19
0.00
0.00
Pump Stations
Security Fencing

View of the security fencing around the structure.

pkazi_t_20120828_225.JPG

Levee Mile Report Line	20		
Start Levee Mile	0.00		
End Levee Mile	0.00		
Location			
Category	Pump Stations		
Item	Intake and Discharge Pipes		
View of the intake pipes.			







pkazi_t_20120828_226.JPG